

**USEPA/OECA/OC State and Tribal Assistance Grants (STAG) 2000-2001
Massachusetts: Development and Evaluation of Integrated Pest Management (IPM) in
Schools, Daycare Centers and Childcare Programs
Quarter 2, FY2004
Uploaded to the Internet: 6/7/2004**

**Quarterly Reporting Form for EPA's 2001, 2002 and 2003
Enforcement and Compliance Assurance Grants**

Reporting Period: Year: 2004

- ? Oct-Dec (due last working day Jan)
- ☒ Jan-Mar (due last working day Apr)
- ? Apr-Jun (due last working day Jul)
- ? Jul-Sep (due last working day Oct)

I. Information

State and Department: Massachusetts Department of Agricultural Resources

Title of Project: Development and evaluation of an Integrated Pest Management compliance assistance program to protect the health of children in schools, daycare centers and child care programs

Grant Contact Person:

Gerard Kennedy, Environmental Analyst, Massachusetts Pesticide Bureau, 251 Causeway Street, Boston, MA 02114.

Phone: 617-626-1773. Fax: 617-626-1850. email: Gerard.Kennedy@state.ma.us

Funds Received by State: \$200,000 (June 4, 2001):

EPA Regional Project Officer: Rob Koethe

Author of report: Gerard Kennedy

II Status of Project Milestones

Project Milestones	Anticipated Completion Date	Completion Date
1. Develop curricula and training materials to inform and instruct Massachusetts school personnel in the principles of IPM and the laws pertaining to the implementation of IPM in schools	Summer 2001	Completed
2. Conduct series of statewide training sessions for school personnel and pest management professionals in the principles of school IPM and its legal status in Massachusetts Series One Series Two	Summer 2001 Fall 2001	Completed Completed
3. Development of IPM Schools website (a) General information about school IPM and the requirements under the Children's Protection Act (b) Creation of Interactive IPM Plan Development Tool	Fall 2001 May 2004	Completed Completed
PROJECT EVALUATION MEASURES <i>OUTPUT MEASUREMENTS:</i>		
The numbers of persons attending educational sessions	Fall 2001	Completed
The number of "hits" on the website and an analysis of the traffic.	November 2001	Ongoing
The number of schools submitting plans will be a useful output measurement.	November 2001	Ongoing

<i>OUTCOME MEASURES</i>		
<p><i>Changes in Awareness and Understanding</i></p> <p>Workshop evaluation forms</p> <p>The numbers and types of schools accessing and interacting with the website to construct an individual IPM plan for their school. This information will feed directly into a database.</p> <p>Types of schools submitting IPM plans</p>	Fall 2001	Completed
	November 2001	In Progress
	June 2003	In Progress
<p><i>Changes in pesticides management practices</i></p> <p>Number of schools who develop and submit their IPM plans to the State.</p> <p>The number of schools who improve their understanding of pest management. Document pest control procedures and quantification of pesticide use patterns for 12-24 schools (depending on availability and logistics) that will be adopting an IPM plan. In the second year, we will closely monitor pesticide use patterns and controls within those schools and compare the results to the previous year and to an additional 12-24 new sites.</p>	Ongoing	In Progress
	June 2003	In Progress

III. Status of Project Completion

The project is on schedule to meet its target deadline of three years. Analysis of the evaluation questionnaires is in process using a statistical software package.

IV Results:

1. The website is due for launching on May 10, 2004. Administrative tools to enable tracking of web site data are still being developed but should not affect the launch of the site. A third party host was used for the site due to technical difficulties involved with the state server. The site is available at www.massnrc.org/ipm
2. Most of the follow up inspections for schools and daycare centers which were inspected by the enforcement staff in the past twelve months have been completed.

3. Data from the field investigations continue to be inputted into a database and analyzed using Centers for Disease Control EPI-INFO software. A final report is planned for the summer of 2004.
4. A renewed outreach effort, timed to coincide with the launch of the school IPM website is being planned. Presentations are being prepared for continued outreach efforts.